



SNT/ERP Workshop



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***Ready. Resourceful.
Responsive!***

**MATT MULLINS
CDR, USN
20-22 JAN 2004**

How SNT Got Started

Aviation Maintenance-Supply Readiness (AMSR) Review - 1998

Challenge:



**Lower Maintenance & Supply
Cost**



Increase Readiness





Definition:

Closed-loop, cradle-to-grave tracking of maintenance critical, serialized components, providing asset visibility and material status, and enabled by automatic identification technology (AIT)



Plan:

Collect data through interfaces with various supply and maintenance systems and provide access to stakeholders via a Virtual Shared Data Warehouse

Major Benefits

Maintenance

- Identify Maintenance Deficiencies
- Measure Reliability
- Accurate Record Configuration
- Determine Training Requirements
- Assist Engineering Investigations



Supply

- Assess Repair Turn Around Time
- Decrease Misidentification and Losses
- Warranty Management
- Predict Parts Requirements
- Better Procurement Decisions
- Measure Reliability
- Achieve Total Asset Visibility

**SNT requires
two
components**

SNT

Data Base

Access
WMRIL/A-ORS
eRMS/WMPS
UICP
WEB-CAV
CAV-ORM
CAV-Navy
FACTS
OOMA/OIMA
R-Supply
IBS

AIT

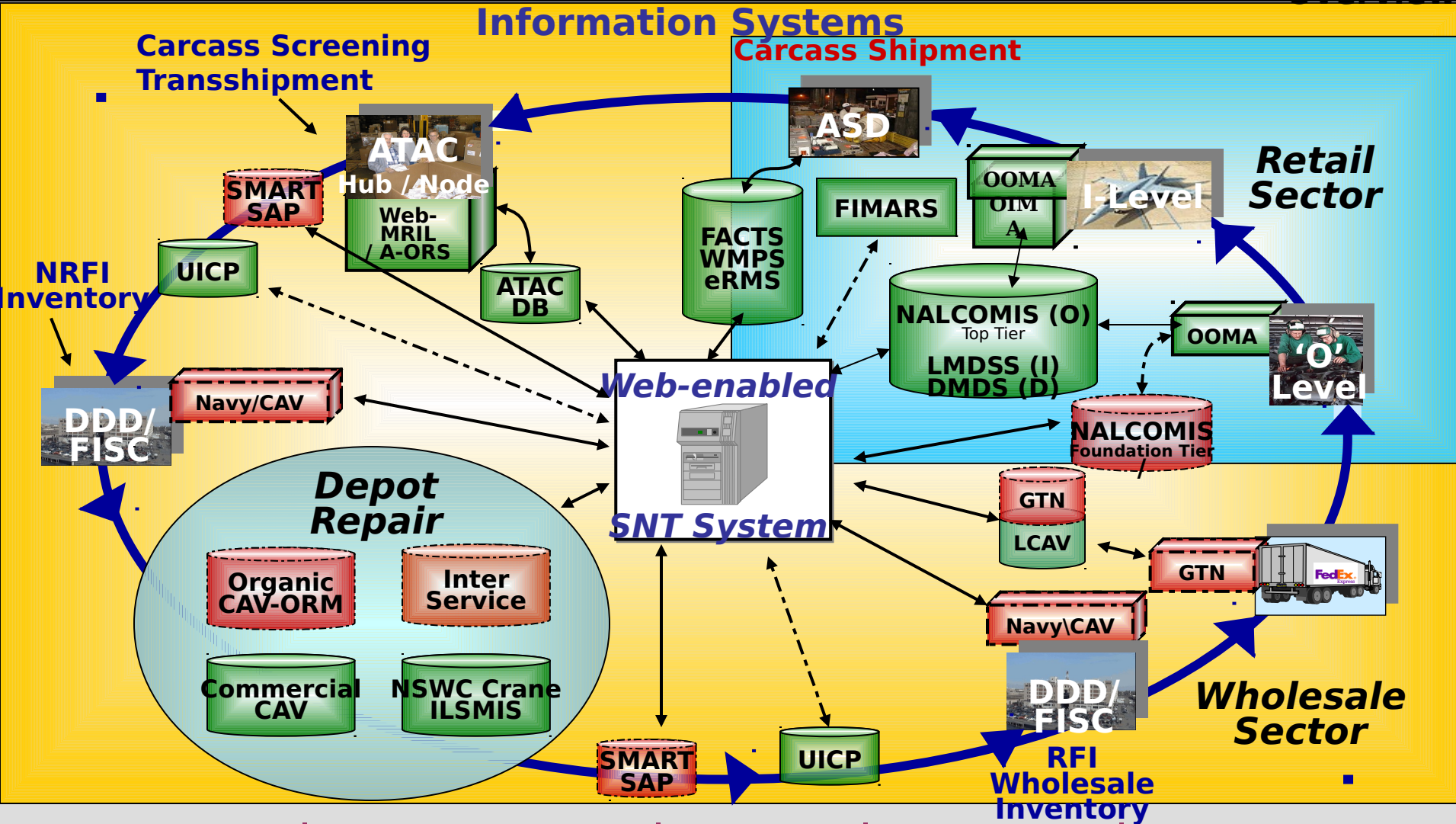
CMB
2D Data
matrix
PDF417 2D
ISO15418/15
434
MIL-STD-129
MIL-STD-130
MSL
IRRD

FIRST

Live
access
to
databases
via the
SNT Web-
enabled
portal.

SECOND

**Automatic
Identification
Technology
(AIT) is used
by SNT to
maintain data
accuracy.**



CMB

Contact Memory Button (CMB)

Scheduled
Removal
Component
Card

Maintenance
History**

**Use TBD within
aviation maintenance

Name Plate Data

Computer, Air Data CPU-175/A

P/N 50-100-01

SERNO 0152

MFR K0656

CONTR

F33657-85C-0025

Warranty
Data

CMB Stats:

- 2k,8k,32k
- ~\$7-\$13 each
- Read/Write
- Dual CMB/BC Reader \$1200

Available for Vendor
Use

Available for Future Navy
Use



NAVAL SUPPLY SYSTEMS
COMMAND

Contracts



AIT

Package marking



Cage: 02059
PN:102770-351
Ser: 6694
NSN 7025011415888
CONT: N00104-98-T-0023
Name: Magnetic Tape
U/I: EA
QTY: 1

MIL-STD -129
PDF417 2D
ISO 15418 / 15434

Product Marking



Nameplate Data



CMB

CAGE: V23456
PN: 33489-12
NSN: 5835-01-141-5888
S/N: 45367
Cont: N00383-02-G010N-0017
Name: Main Rotor Blade

**2D
Data
Matrix**

Invoices

1. IDENT	2. FROM	3. TO	4. QUANTITY	5. SUPPLY ADDRESS	6. DIS. ADDRESS	7. PROJECT	8. RECD DATE	9. A/V	10. RI	11. OIC	12. M	13. TOTAL PRICE	14. SHIP FROM	15. SHIP TO					
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24. NATIONAL STOCK NO. & SUFFIX (30-44)												25. MARK FOR GEARIN-UP W.S.L.F.B. ATTN: PATTY G		26. SHIP FROM DDSP SUSQUEHANNA NEW CUMS PA 17					
27. ADD'L INFO												28. NMFC		29. FRT RATE		30. TYPE CARGO		31. PS	
28. NMFC												29. FRT RATE		30. TYPE CARGO		31. PS		32. U	
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Beginning 01 APRIL 2004, all users of the SNT web site must possess a valid DOD PKI Certificate. More information is available by opening the Documents or What's New links on the left side of the SNT homepage.

Welcome to the US Navy Serial Number Tracking System

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- Registration
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- Calendar
- What's New
- FAQ
- Home

READ THIS:
DoD Security Notice

This system provides the ability to track individual repairable weapons system components by serial number. This is in addition to the existing process of tracking by NSN, part number, or work unit code.

This level of visibility is invaluable for managing warranties, tracking reliability, isolating ILS deficiencies and locating individual assets everywhere in the world. This system was developed in response to the Aviation Maintenance - Supply Review which determined that serial number tracking is a necessary requirement to accurately assess declines in Naval Aviation readiness.

The system was developed by a team of experts from NAVSUP, NAVICP, NAVAIR, NAVSEA, SPAWAR, and FMSO.

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	Origin	xShip / ATAC Hub or Node	xShip / ATAC Hub or Node	DOP/DSP
Document Number	R033633089G746	R033633089G746	R033633089G746	R033633089G746
NIIN	010228572	010228572	010228572	010228572
Serial Number	2024	2024	2024	2024
Quantity	1	1	1	1
Condition Code	F	F	F	F
Activity	R03363 USS KITTY HAWK	N4179A FISC YOKOSUKA ATAC DETACHMENT	N46433 ATAC HUB North Island, CA	SW3205
Date Received	N/A	28 May 2003	09 Jun 2003	09 Jun 2003
Ship To	N46433 SUPPLY OFFICER	N46433 ATAC HUB North Island, CA	SW3205	N/A
Date Shipped	18 Apr 2003	28 May 2003	09 Jun 2003	N/A
LTCN	N/A	R033633089G746RXX	R033633095G702XXX	N/A
Transportation Mode	N/A	F - Air, Air Mobility Command	T - Air, Air Freight Forwarder	N/A
RCDN	N/A	N/A	N/A	
Signature	N/A			G.ARELLANO
(Data Source)	FACTS	ATAC	ATAC	ATAC/CAV

Internet

Start ICP Mech - Micro... \\naeamechfs01v... SNTS \ Asset Vi... Document1 - Mic...

10:42

DoD Policy/Directives:

Mar 98 - Super Reg - Unique Item Identification (UII)

Sep 02 - SIM Initiative - CAGE, P/N, S/N

Jul 03 - USD - A,T & L Letter - Marking UID of Tangible Items Dated 7/29/03

Oct 03 - USD - A,T & L Letter - RFID Dated - 10/02/03

Nov 03 - DoD Guide to UID Items - EIN, P/N, S/N

Nov 03 - Update of Policy UID Transactions Dated - 11/26/03

Dec 03 - Migration to DLMS Dated - 12/22/03

Dec 03 - Revision to UID Policy Dated - 12/22/03

Common Link:

ANSI MH10 Data Syntax and Semantics **17V-CAGE, S-S/N, 1P-P/N**

[>^R_S06^G_S**17V**35421^G_S**S**10936^G_S**1P**420Y2435^E_O_T



Maintenance

	Cage: 02059 PN:102770-351 Ser: 6694 NSN 7025011415888 CONT: N00104-98-T-0023 Name: Magnetic Tape U/I: EA QTY: 1
MIL-STD 129M PDF417 2D ANSI MH 10	

Supply / Transportation